Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

22 September 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: September 9, 2003

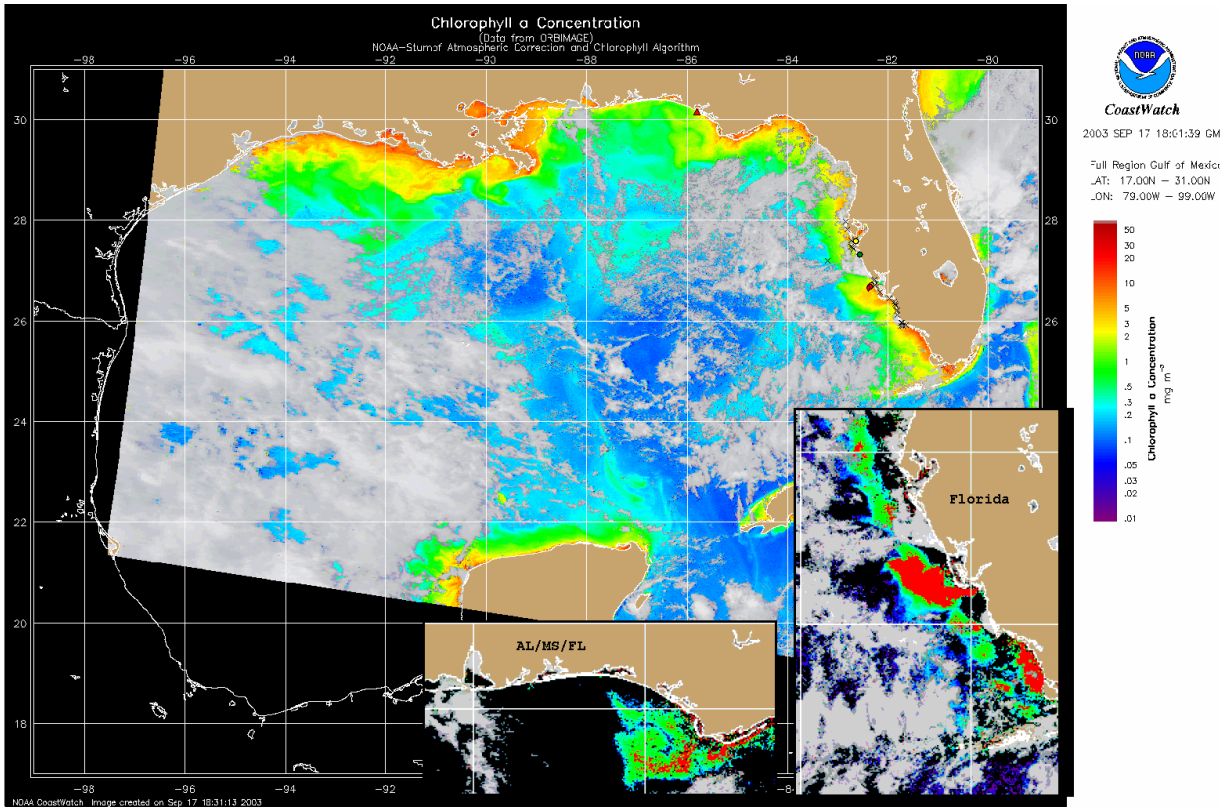
Analysis

SW Florida. A bloom is ongoing in the Sanibel-Captiva area. While the bloom is dominated by non-Karenia, FMRI has determined that it does contain Karenia.

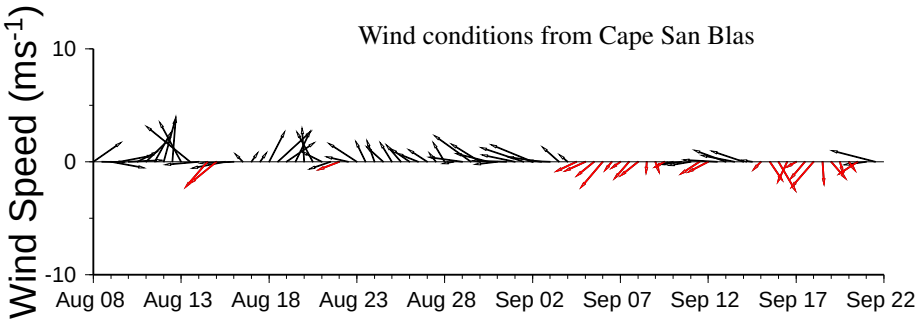
NW Florida. Potential HAB present south and west of Cape San Blas. Some onshore transport is possible over the next several days. Southerly winds bring potential for dead fish on the beach.

Piney Point. Loop Current is still moving through the discharge area. Apparent chlorophyll remains at Loop Current concentrations.

--Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from September 18, 2003 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Wind speed and direction are averaged over 12 hours from measurements made on NOAA buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast.

Northerlies over the last week have favored offshore transport along SW Florida, but westerly transport along the Panhandle. Forecast is for southerly winds through Friday. This may lead to potential HAB impacts on the coast.

Wind conditions from Venice Pier